01-1065; Jeffrey M. Getchius
METHOD AND APPARATUS FOR CONTEXT BA
QUE[redacted]NG
Express Mail No. EU156067955US

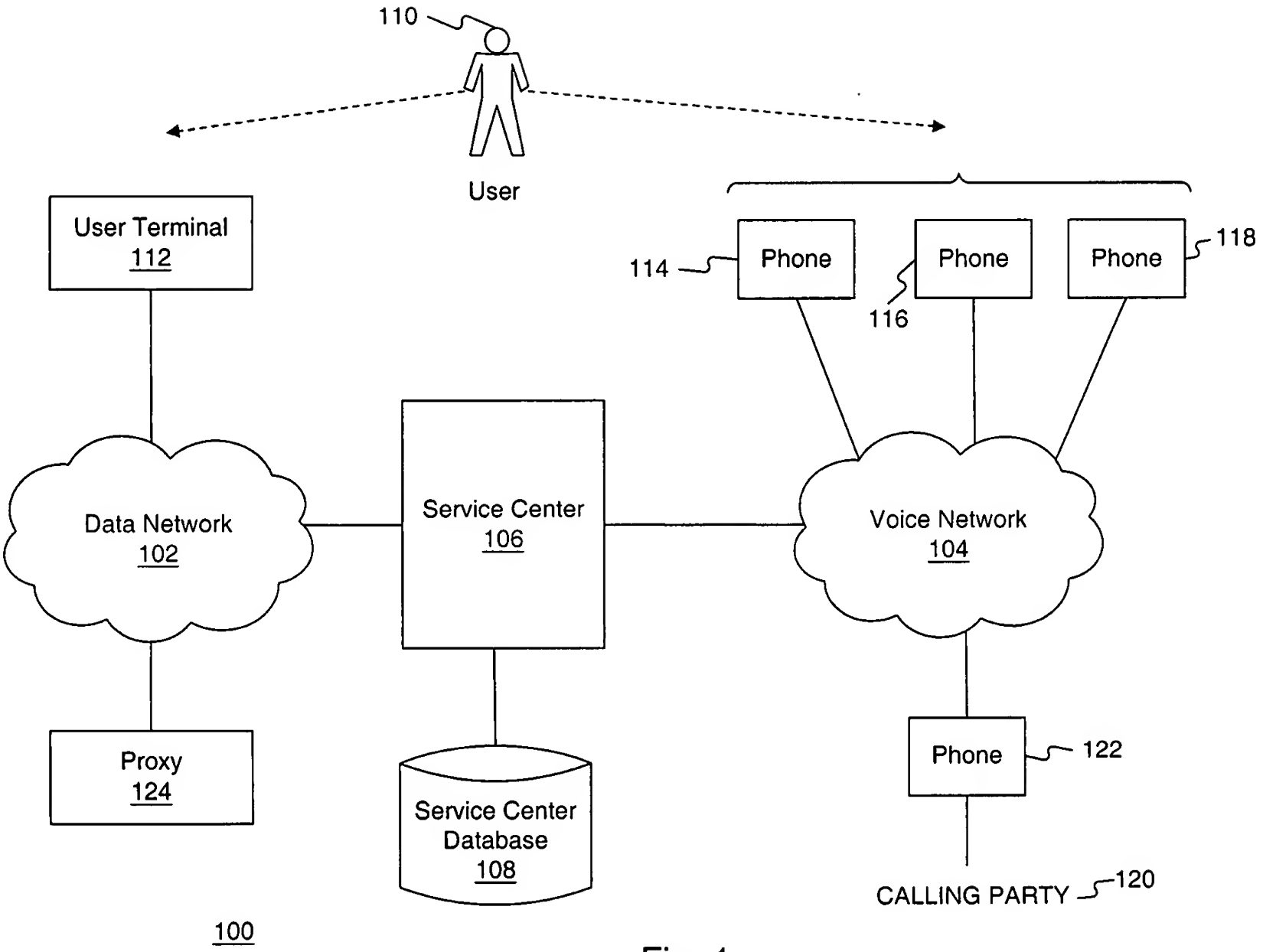

Fig. 1

01-1225; Jeffrey M. Getchius
METHOD AND APPARATUS FOR CONTEXT BA
QUERYING
Express Mail No. EU156067955US

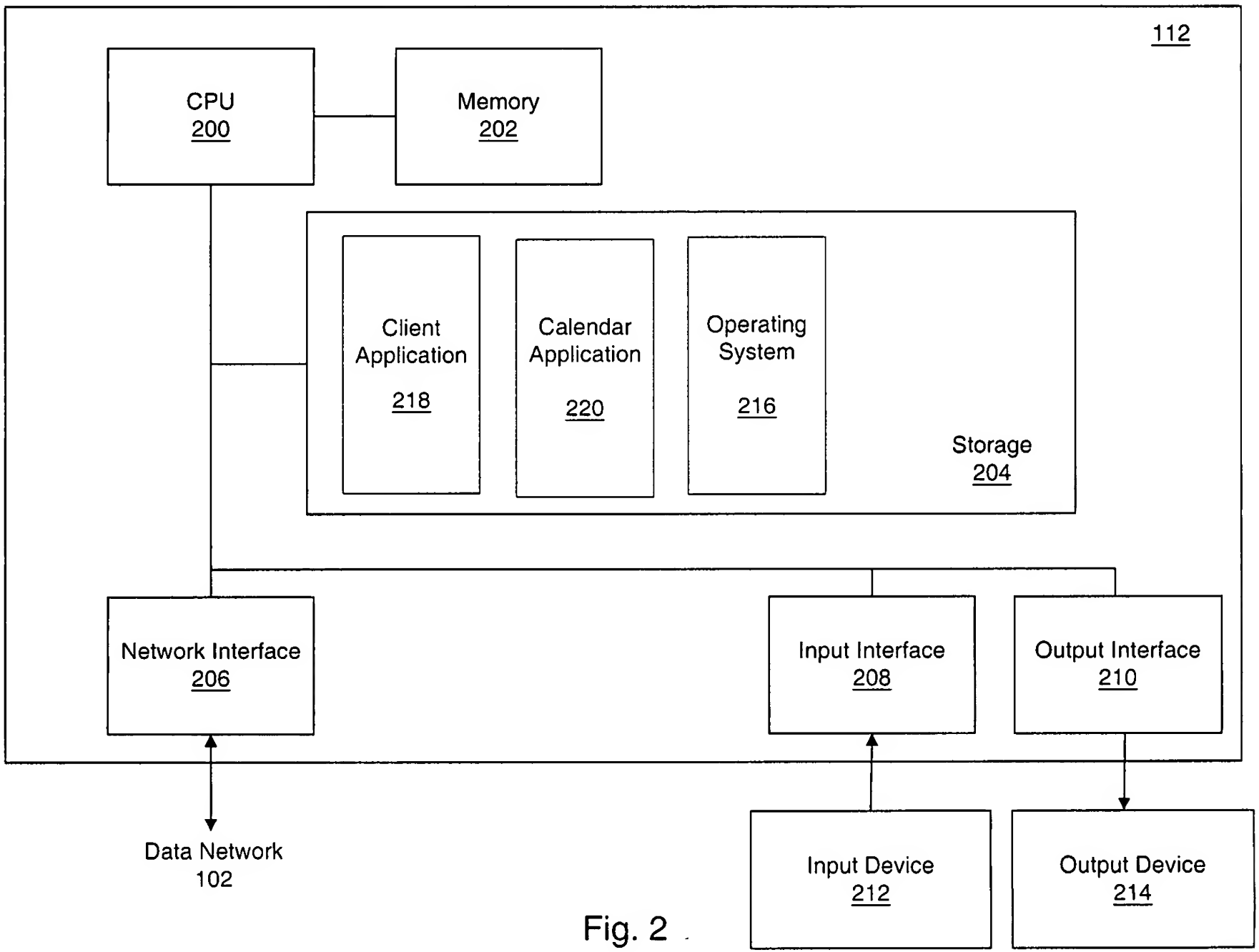

Fig. 2

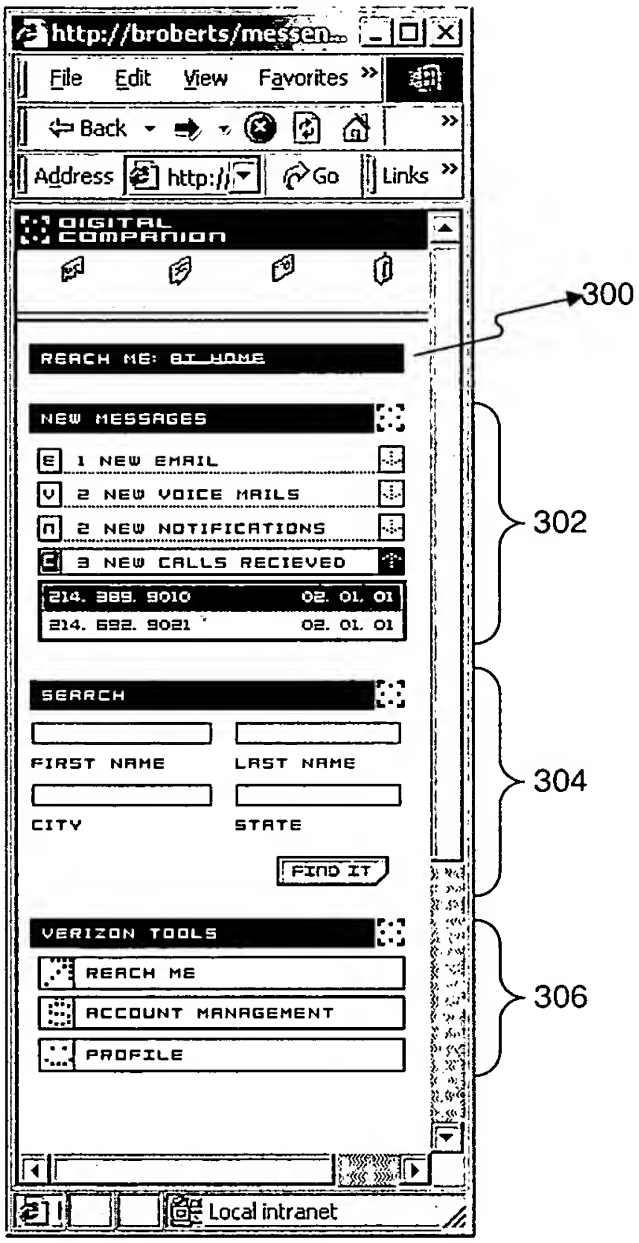
http://broberts/messen...
File Edit View Favorites
Back
Address http://
Go
Links
DIGITAL COMPANION
REACH ME: AT HOME
NEW MESSAGES
1 NEW EMAIL
2 NEW VOICE MAILS
2 NEW NOTIFICATIONS
3 NEW CALLS RECIEVED
214. 389. 9010 02. 01. 01
214. 692. 9021 02. 01. 01
SEARCH
FIRST NAME
LAST NAME
CITY
STATE
FIND IT
VERIZON TOOLS
REACH ME
ACCOUNT MANAGEMENT
PROFILE
Local intranet
300
302
304
306

Fig. 3a

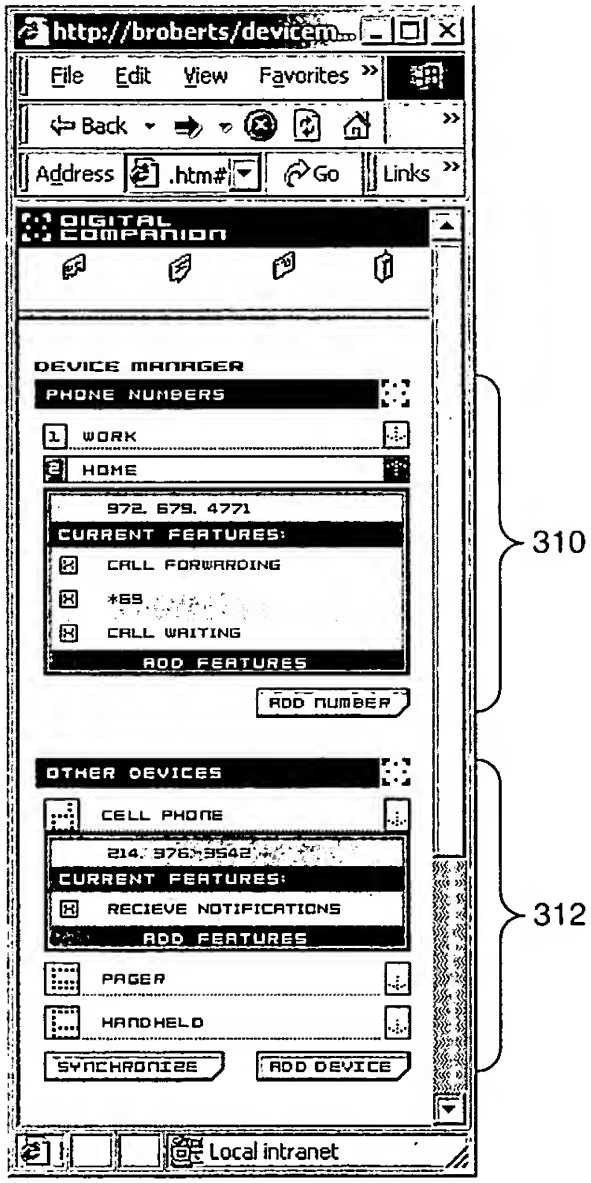
http://broberts/devicem...
File Edit View Favorites
Back
Address .htm# Go Links
DIGITAL COMPANION
DEVICE MANAGER
PHONE NUMBERS
1 WORK
2 HOME
972. 679. 4771
CURRENT FEATURES:
CALL FORWARDING
*69
CALL WAITING
ADD FEATURES
ADD NUMBER
OTHER DEVICES
CELL PHONE
214. 376. 3542
CURRENT FEATURES:
RECIEVE NOTIFICATIONS
ADD FEATURES
PAGER
HANDHELD
SYNCHRONIZE
ADD DEVICE
Local intranet
310
312

Fig. 3b

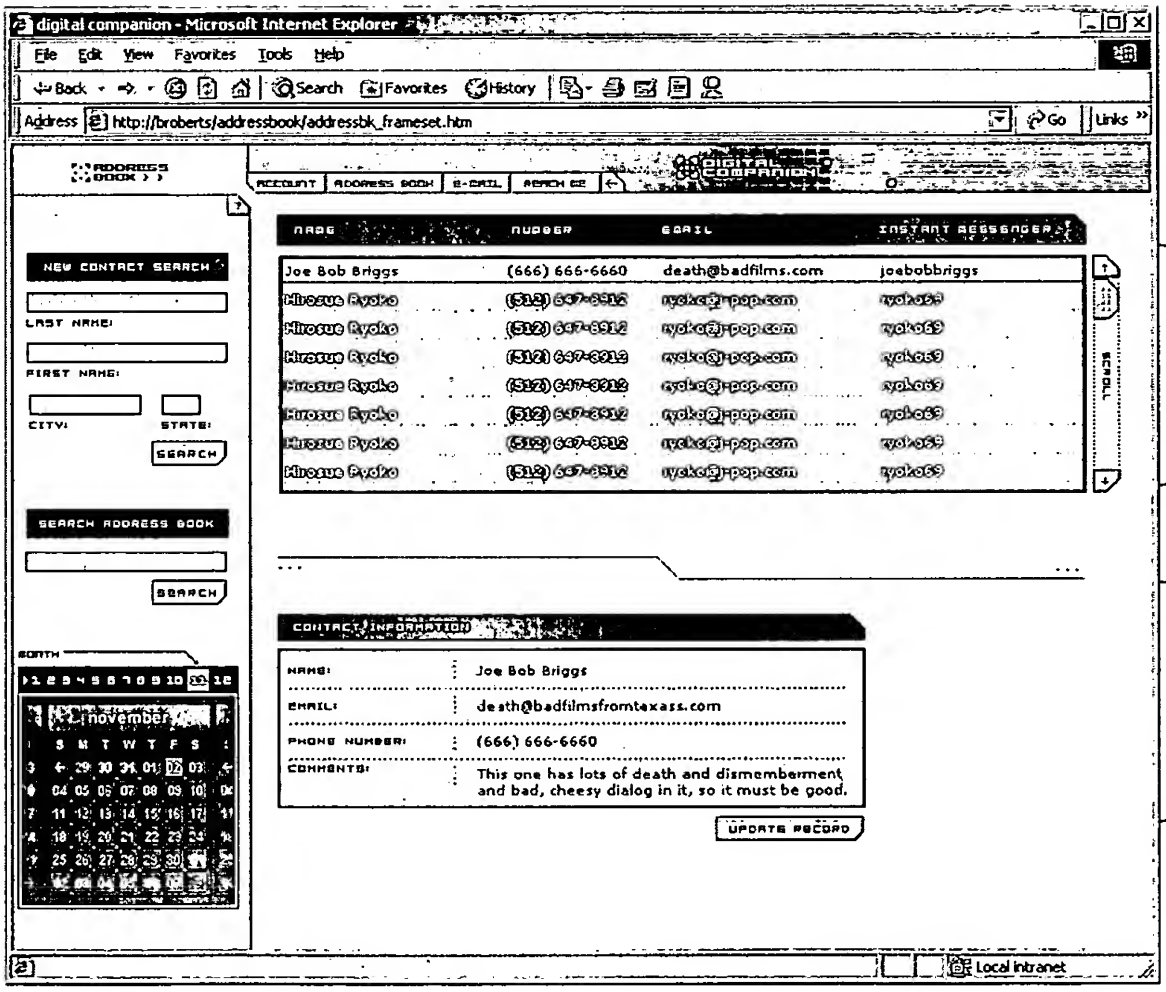
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/addressbook/addressbk_frameset.htm
Go Links
ADDRESS BOOK
ACCOUNT ADDRESS BOOK E-MAIL SEARCH
digital companion
NEW CONTACT SEARCH
LAST NAME:
FIRST NAME:
CITY:
STATE:
SEARCH
SEARCH ADDRESS BOOK
SEARCH
MONTH
NAME
NUMBER
EMAIL
INSTANT MESSENGER
Joe Bob Briggs (666) 666-6660 death@badfilms.com joebobbriggs
Hirosue Ryoko (512) 637-8912 ryoko@j-pop.com ryoko69
SCROLL
315
CONTACT INFORMATION
NAME: Joe Bob Briggs
EMAIL: death@badfilmsfromtexass.com
PHONE NUMBER: (666) 666-6660
COMMENTS: This one has lots of death and dismemberment and bad, cheesy dialog in it, so it must be good.
UPDATE RECORD
317
Local intranet

Fig. 3c

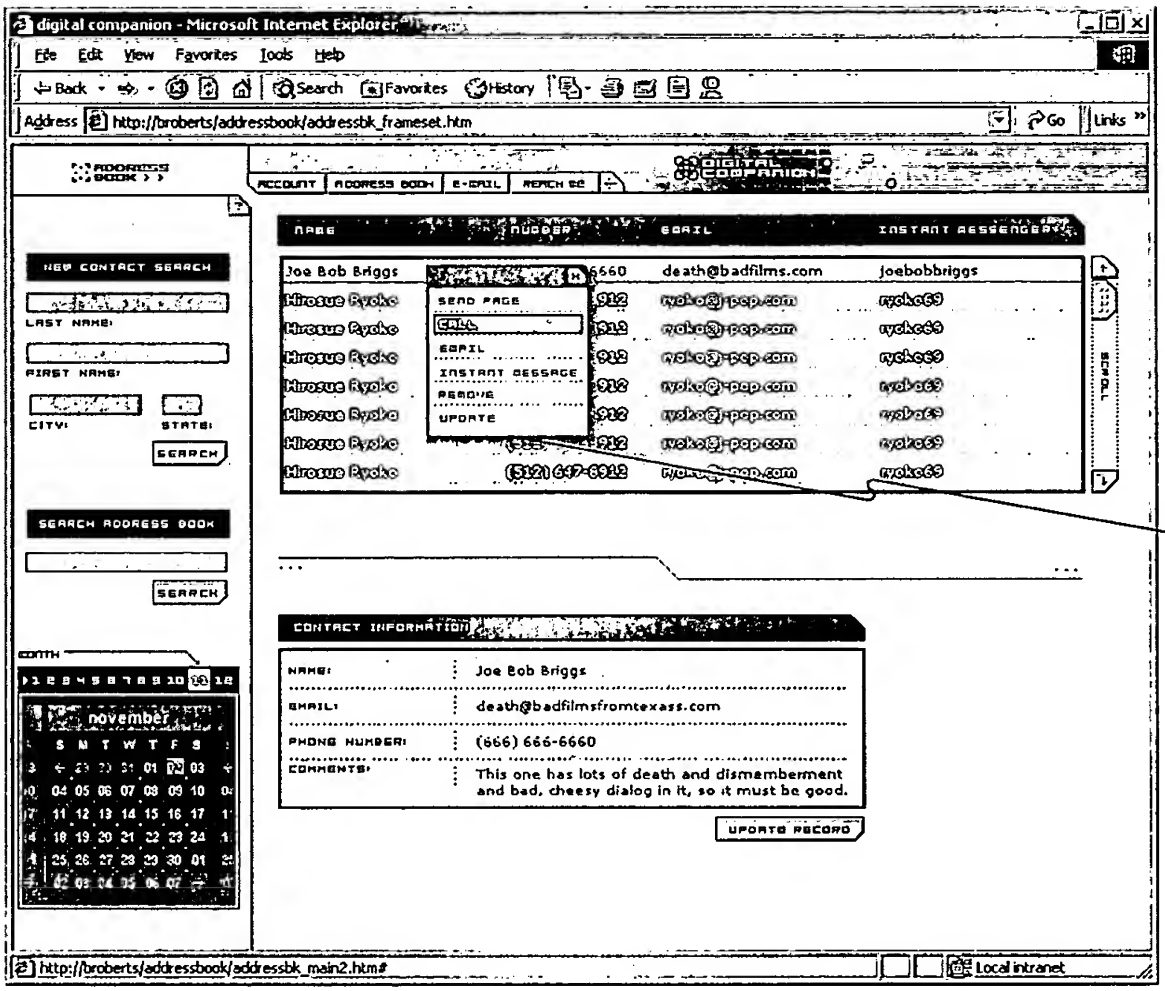
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://broberts/addressbook/addressbk_frameset.htm
ADDRESS BOOK
ACCOUNT
ADDRESS BOOK
E-MAIL
DIGITAL COMPANION
NEW CONTACT SEARCH
LAST NAME:
FIRST NAME:
CITY:
STATE:
SEARCH
SEARCH ADDRESS BOOK
SEARCH
NAME
NUMBER
EMAIL
INSTANT MESSENGER
Joe Bob Briggs
death@badfilms.com
joebobbriggs
Hirosue Ryoko
SEND PAGE
EMAIL
INSTANT MESSAGE
REMOVE
UPDATE
CONTACT INFORMATION
NAME: Joe Bob Briggs
EMAIL: death@badfilmsfromtexass.com
PHONE NUMBER: (666) 666-6660
COMMENTS: This one has lots of death and dismemberment and bad, cheesy dialog in it, so it must be good.
UPDATE RECORD
http://broberts/addressbook/addressbk_main2.htm#
Local intranet
320

Fig. 3d

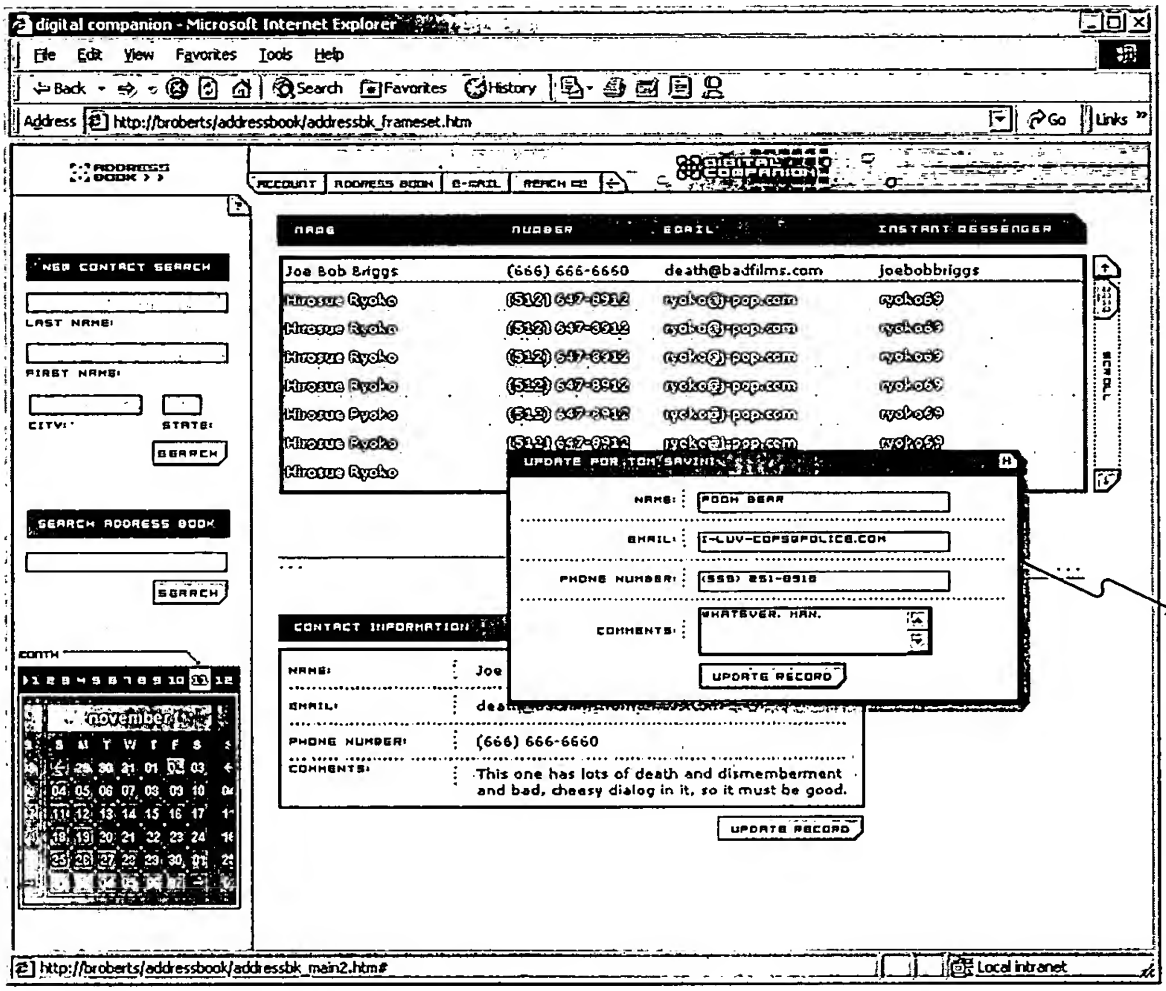
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/addressbook/addressbk_frameset.htm
Go Links
ADDRESS BOOK
ACCOUNT ADDRESS BOOK E-MAIL REACH ME
DIGITAL COMPANION
NEW CONTACT SEARCH
LAST NAME:
FIRST NAME:
CITY:
STATE:
SEARCH
SEARCH ADDRESS BOOK
SEARCH
NAME NUMBER EMAIL INSTANT MESSENGER
Joe Bob Briggs (666) 666-6660 death@badfilms.com joebobbriggs
Hirosue Ryoko (512) 647-8912 ryoko@i-pop.com ryoko69
UPDATE FOR TOM SAVINI
NAME: POOH BEAR
EMAIL: I-LUV-COPSGPOLICE.COM
PHONE NUMBER: (555) 251-0918
COMMENTS: WHATEVER. HAN.
UPDATE RECORD
CONTACT INFORMATION
NAME: Joe
EMAIL:
PHONE NUMBER: (666) 666-6660
COMMENTS: This one has lots of death and dismemberment and bad, cheesy dialog in it, so it must be good.
UPDATE RECORD
SCROLL
325
http://broberts/addressbook/addressbk_main2.htm#
Local intranet

Fig. 3e

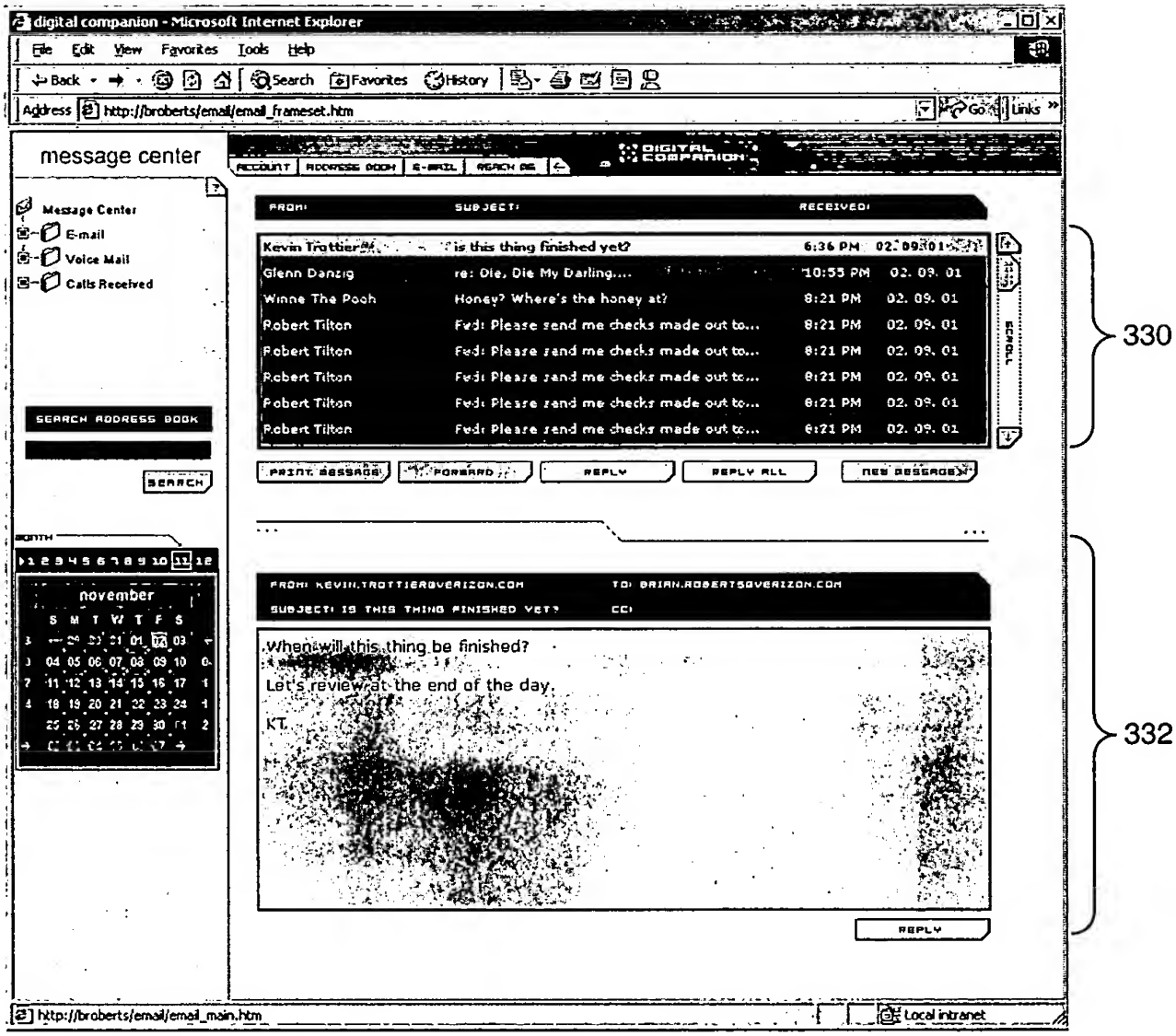
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/email/email_frameset.htm
Go Links
message center
ACCOUNT ADDRESS BOOK E-MAIL REACH ME
DIGITAL COMPANION
Message Center
E-mail
Voice Mail
Calls Received
SEARCH ADDRESS BOOK
SEARCH
FROM: SUBJECT: RECEIVED:
Kevin Trottier is this thing finished yet? 6:36 PM 02.09.01
Glenn Danzig re: Die, Die My Darling.... 10:55 PM 02. 09. 01
Winne The Pooh Honey? Where's the honey at? 8:21 PM 02. 09. 01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02. 09. 01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02. 09. 01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02. 09. 01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02. 09. 01
Robert Tilton Fwd: Please send me checks made out to... 8:21 PM 02. 09. 01
SCROLL
PRINT MESSAGE FORWARD REPLY REPLY ALL NEW MESSAGE
330
november
FROM: KEVIN.TROTTIER@VERIZON.COM TO: BRIAN.ROBERTS@VERIZON.COM
SUBJECT: IS THIS THING FINISHED YET? CC:
When will this thing be finished?
Let's review at the end of the day.
KT.
REPLY
332
http://broberts/email/email_main.htm
Local intranet

Fig. 3f

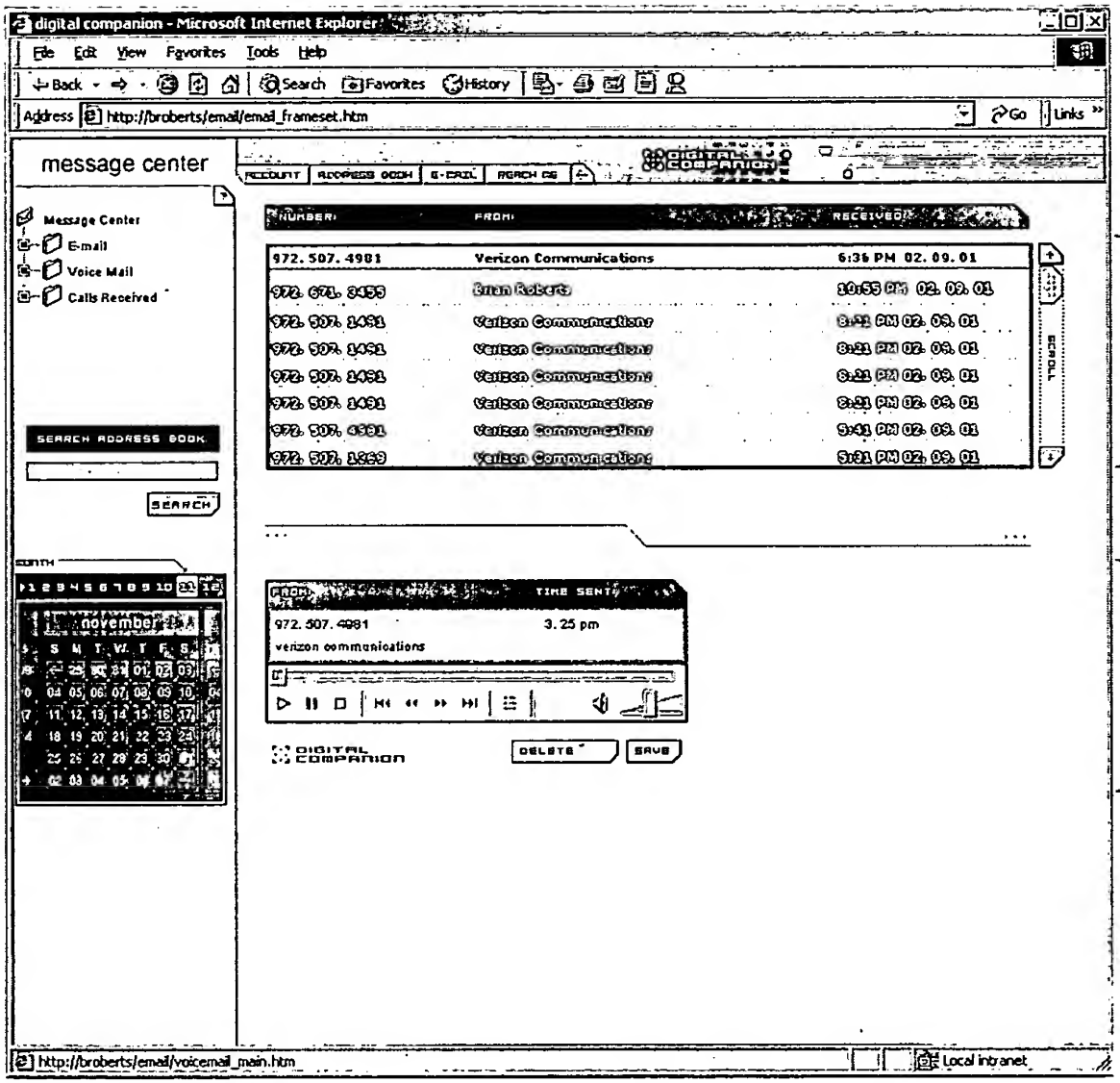
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/email/email_frameset.htm
Go Links
message center
Message Center
E-mail
Voice Mail
Calls Received
SEARCH ADDRESS BOOK
SEARCH
NUMBER
FROM
RECEIVED
972. 507. 4981 Verizon Communications 6:36 PM 02. 09. 01
SCROLL
340
FROM
TIME SENT
972. 507. 4981 3. 25 pm
verizon communications
DIGITAL COMPANION
DELETE
SAVE
342
http://broberts/email/voicemail_main.htm
Local intranet

Fig. 3g

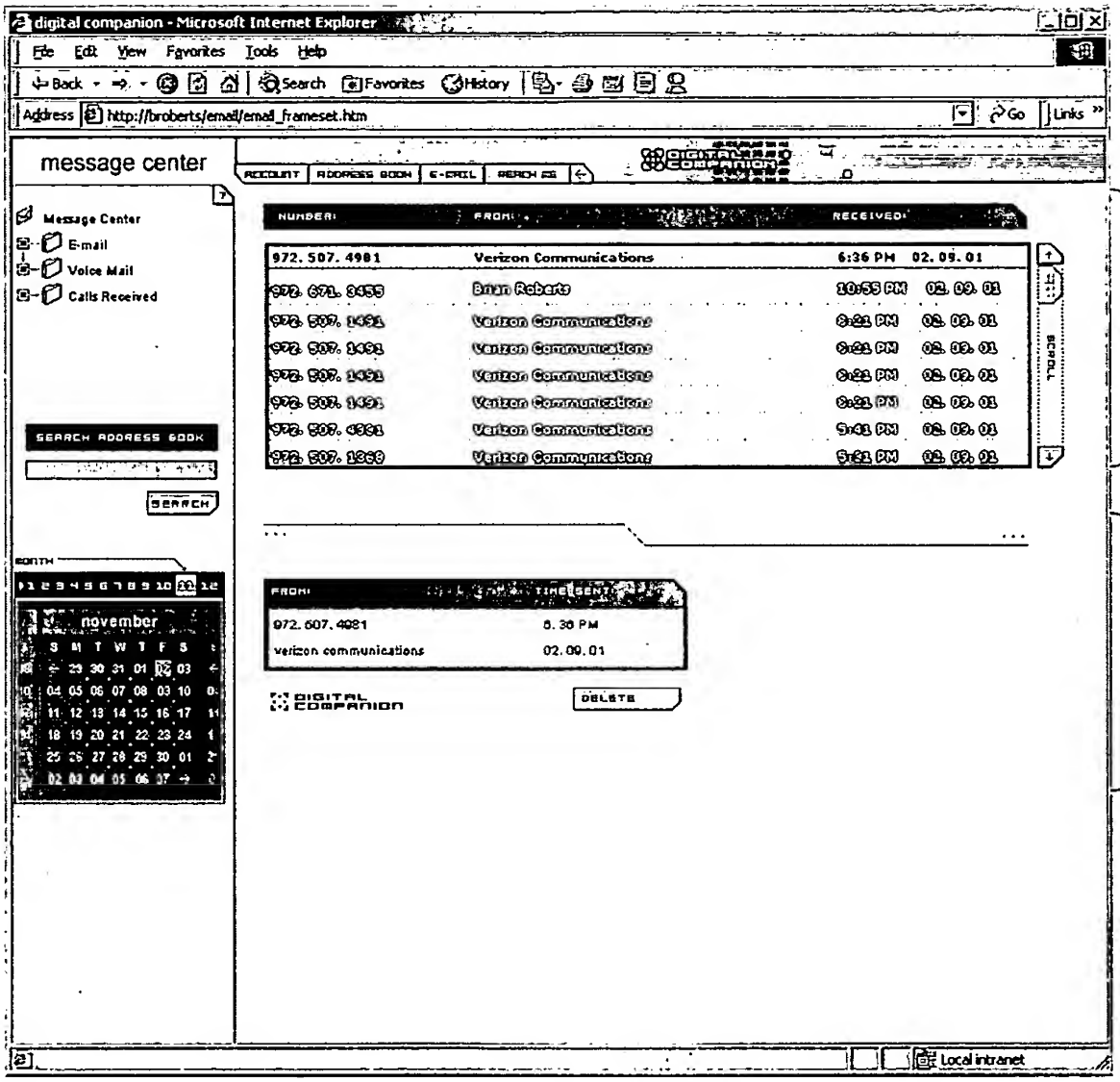
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/email/email_frameset.htm
Go Links
message center
ACCOUNT ADDRESS BOOK E-MAIL SEARCH
Message Center
E-mail
Voice Mail
Calls Received
SEARCH ADDRESS BOOK
SEARCH
NUMBER FROM RECEIVED
972. 507. 4981 Verizon Communications 6:36 PM 02. 09. 01
Brian Roberts 10:55 PM 02. 09. 01
Verizon Communications 9:21 PM 02. 09. 01
Verizon Communications 9:21 PM 02. 09. 01
Verizon Communications 9:21 PM 02. 09. 01
Verizon Communications 9:21 PM 02. 09. 01
Verizon Communications 9:21 PM 02. 09. 01
Verizon Communications 9:21 PM 02. 09. 01
SCROLL
FROM TIME SENT
972. 507. 4981 6. 36 PM
verizon communications 02. 09. 01
DIGITAL COMPANION
DELETE
Local intranet
350
352

Fig. 3h

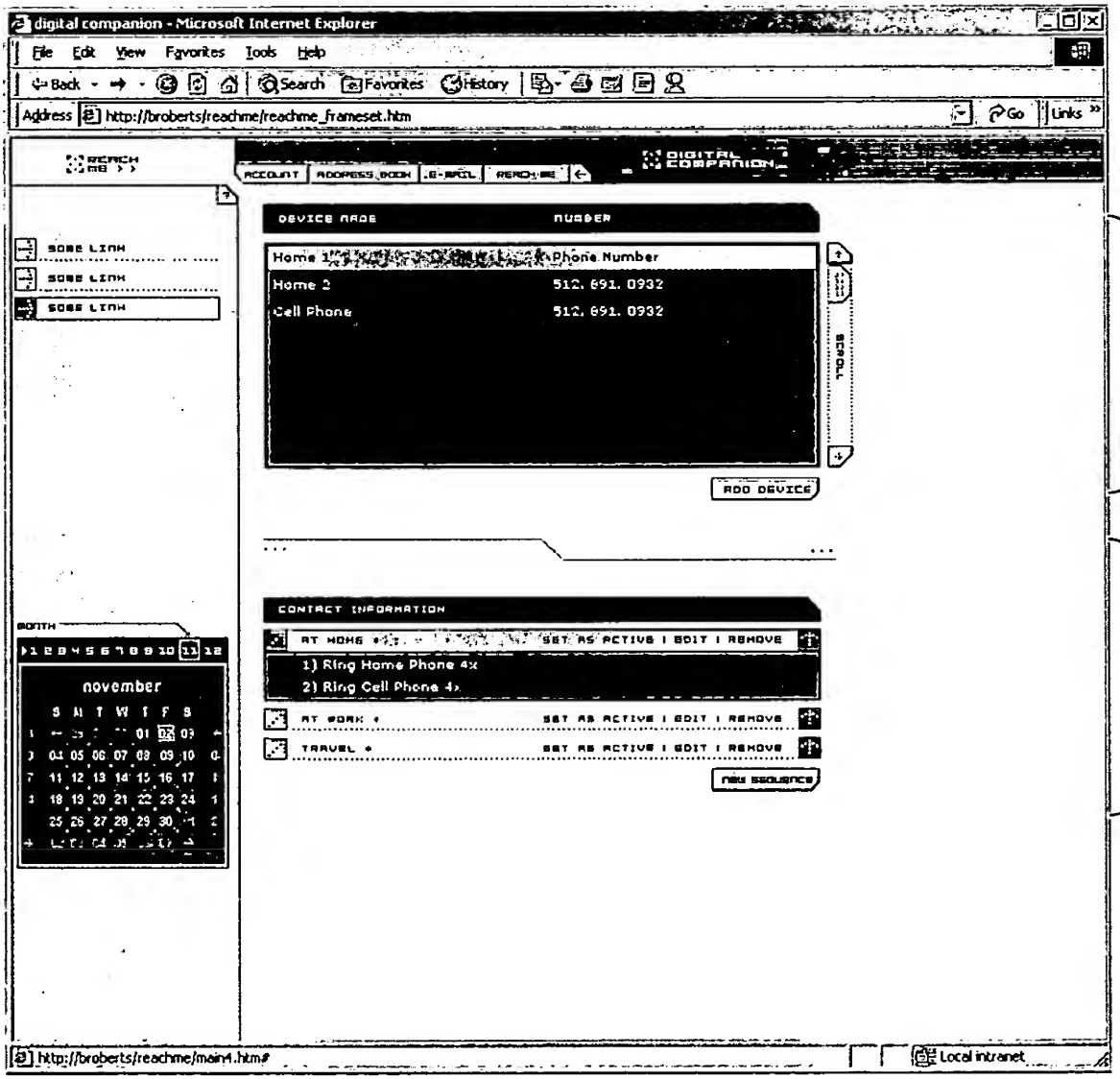
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/reachme/reachme_frameset.htm
Go Links
DIGITAL COMPANION
ACCOUNT
ADDRESS BOOK
E-MAIL
SOME LINK
SOME LINK
SOME LINK
DEVICE NAME
NUMBER
Home 1
Phone Number
Home 2
512. 691. 0932
Cell Phone
512. 691. 0932
SCROLL
ADD DEVICE
CONTACT INFORMATION
AT HOME
SET AS ACTIVE | EDIT | REMOVE
1) Ring Home Phone 4x
2) Ring Cell Phone 4x
AT WORK
SET AS ACTIVE | EDIT | REMOVE
TRAVEL
SET AS ACTIVE | EDIT | REMOVE
new assurance
MONTH
november
http://broberts/reachme/main4.htm#
Local intranet
355
357

Fig. 3i

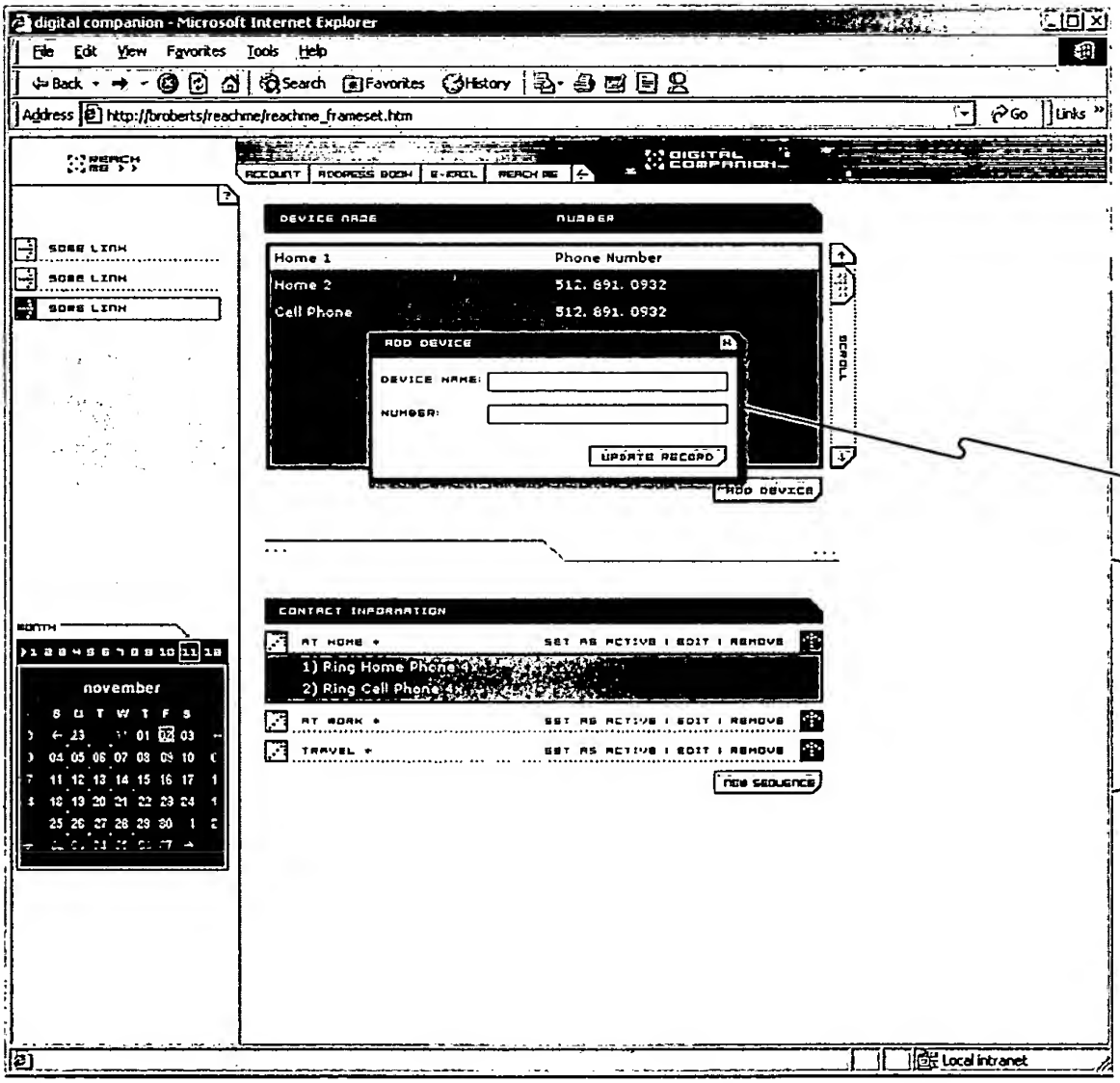
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/reachme/reachme_frameset.htm
Go Links
REACH ME
ACCOUNT ADDRESS BOOK E-MAIL REACH ME
DIGITAL COMPANION
DEVICE NAME NUMBER
Home 1 Phone Number
Home 2 512. 891. 0932
Cell Phone 512. 891. 0932
ADD DEVICE
DEVICE NAME:
NUMBER:
UPDATE RECORD
ADD DEVICE
SCROLL
360
CONTACT INFORMATION
AT HOME SET AS ACTIVE | EDIT | REMOVE
1) Ring Home Phone
2) Ring Cell Phone
AT WORK SET AS ACTIVE | EDIT | REMOVE
TRAVEL SET AS ACTIVE | EDIT | REMOVE
new SEQUENCE
362
MONTH
november
Local intranet

Fig. 3j

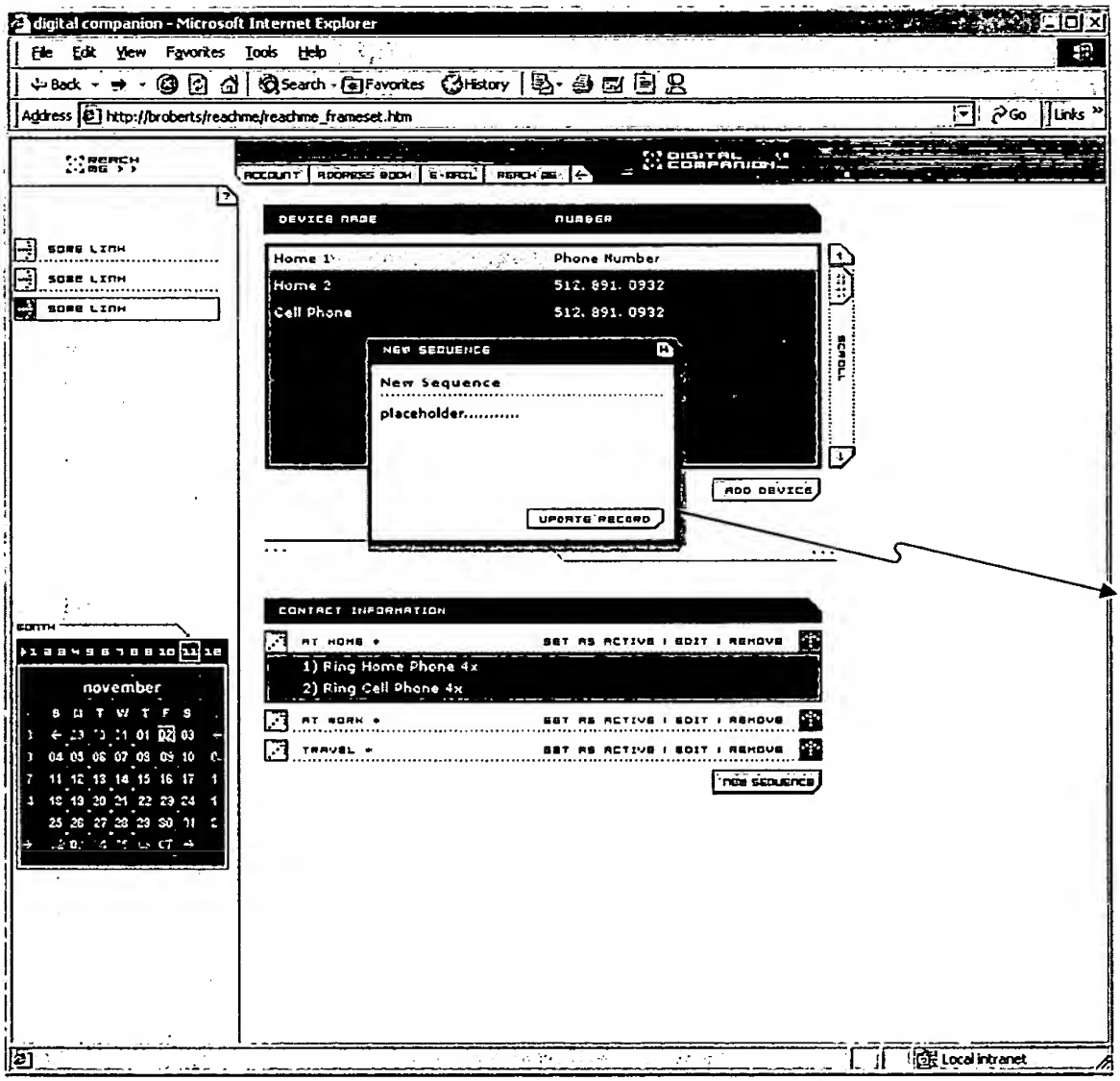
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/reachme/reachme_frameset.htm
Go Links
REACH ME
ACCOUNT
ADDRESS BOOK
E-MAIL
REACH ME
DIGITAL COMPANION
DEVICE NAME
NUMBER
Home 1
Phone Number
Home 2
512. 891. 0932
Cell Phone
512. 891. 0932
NEW SEQUENCE
New Sequence
placeholder.....
UPDATE RECORD
SCROLL
ADD DEVICE
370
CONTACT INFORMATION
AT HOME
SET AS ACTIVE | EDIT | REMOVE
1) Ring Home Phone 4x
2) Ring Cell Phone 4x
AT WORK
SET AS ACTIVE | EDIT | REMOVE
TRAVEL
SET AS ACTIVE | EDIT | REMOVE
NEW SEQUENCE
EDITH
november
Local intranet

Fig. 3k

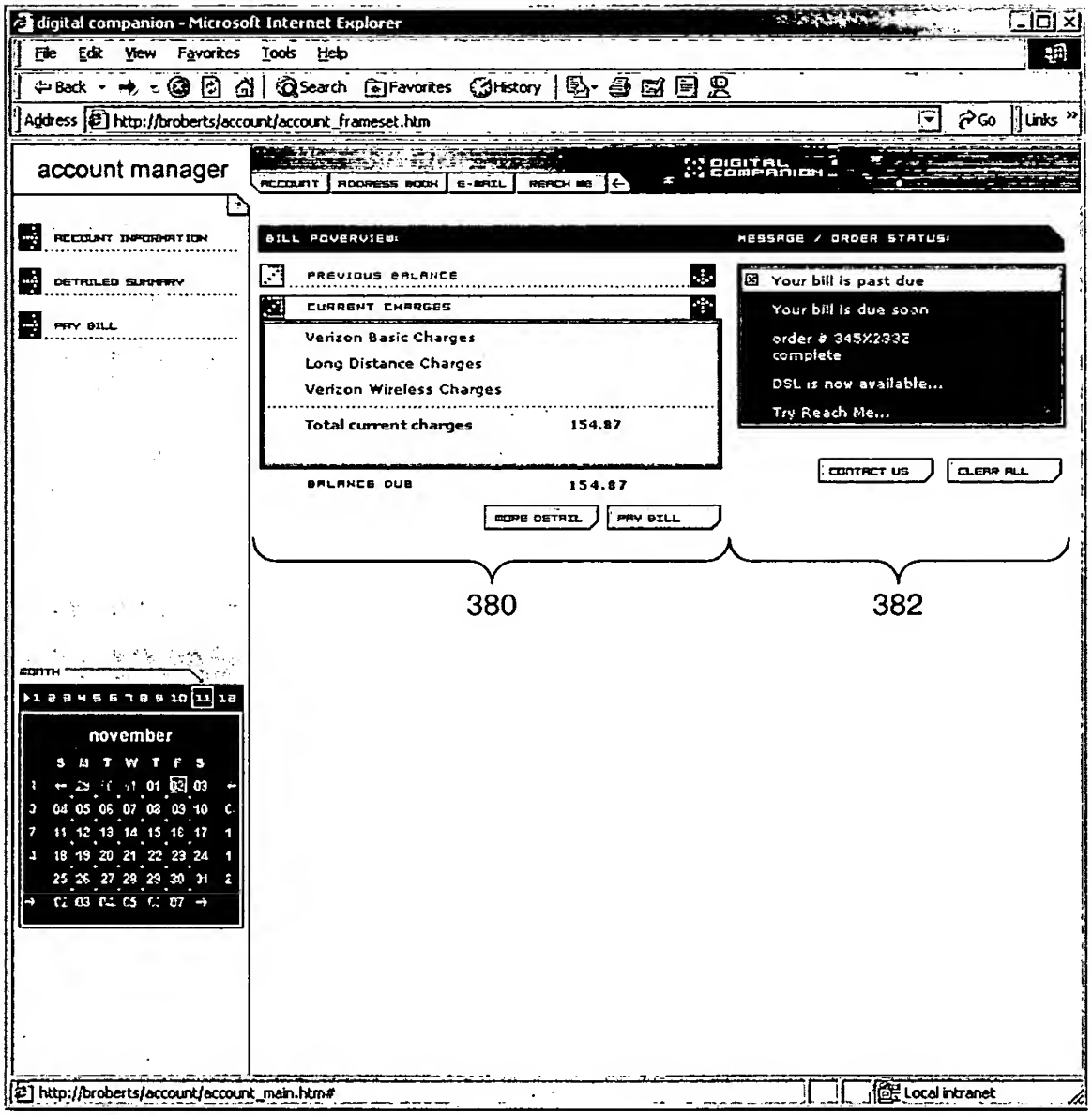
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/account/account_frameset.htm
Go Links
account manager
ACCOUNT ADDRESS BOOK E-MAIL REACH ME
DIGITAL COMPANION
ACCOUNT INFORMATION
DETAILED SUMMARY
PAY BILL
BILL OVERVIEW:
MESSAGE / ORDER STATUS:
PREVIOUS BALANCE
CURRENT CHARGES
Verizon Basic Charges
Long Distance Charges
Verizon Wireless Charges
Total current charges 154.87
BALANCE DUE 154.87
MORE DETAIL
PAY BILL
Your bill is past due
Your bill is due soon
order # 345X233Z complete
DSL is now available...
Try Reach Me...
CONTACT US
CLEAR ALL
380
382
november
http://broberts/account/account_main.htm#
Local intranet

Fig. 3I

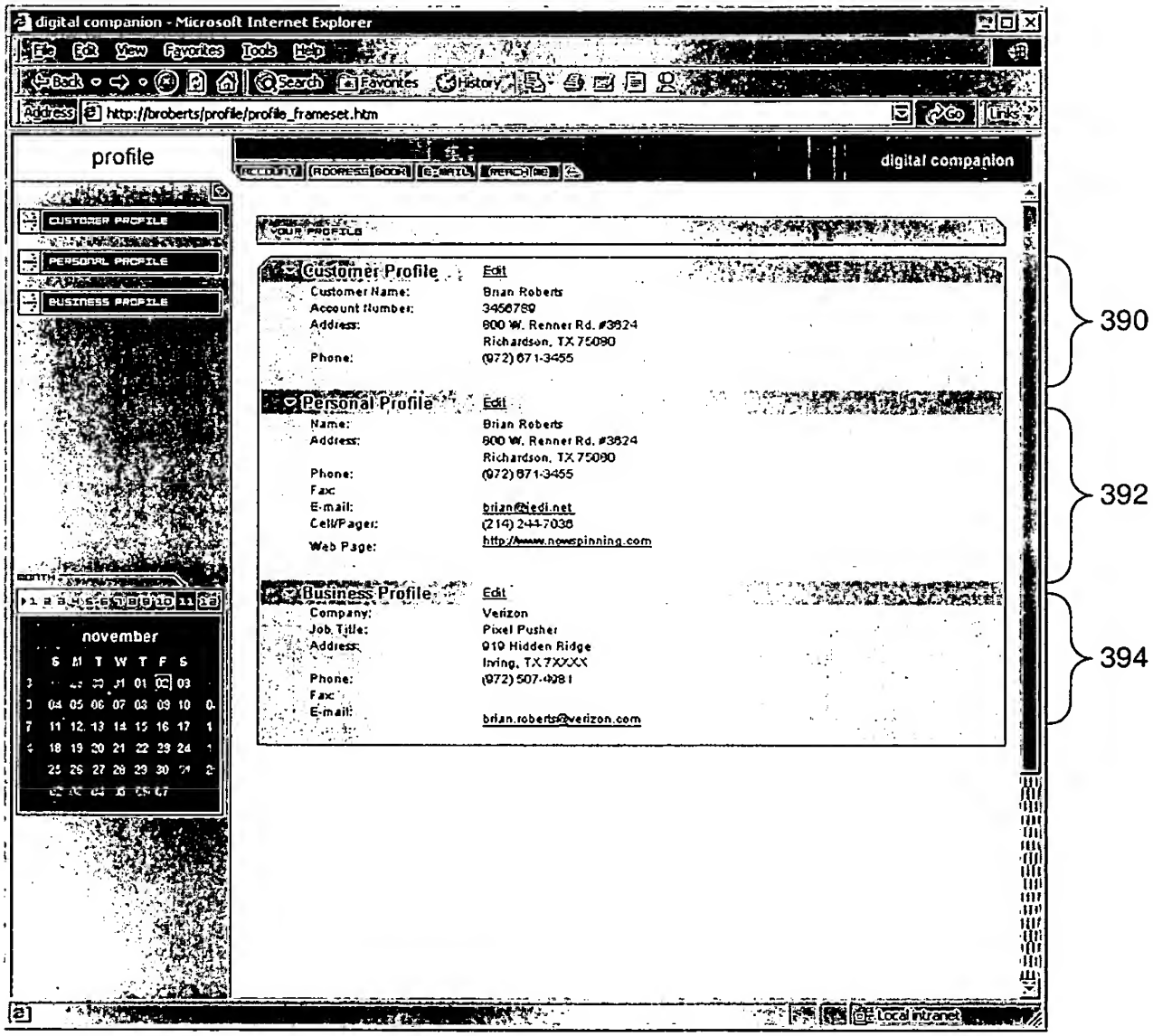
digital companion - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://broberts/profile/profile_frameset.htm
Go Links
profile
digital companion
CUSTOMER PROFILE
PERSONAL PROFILE
BUSINESS PROFILE
november
Customer Profile
Edit
Customer Name: Brian Roberts
Account Number: 3456789
Address: 800 W. Renner Rd. #3824
Richardson, TX 75080
Phone: (972) 671-3455
Personal Profile
Edit
Name: Brian Roberts
Address: 800 W. Renner Rd. #3824
Richardson, TX 75080
Phone: (972) 671-3455
Fax:
E-mail: brian@jedi.net
Cell/Pager: (214) 244-7038
Web Page: http://www.nowspinning.com
Business Profile
Edit
Company: Verizon
Job Title: Pixel Pusher
Address: 919 Hidden Ridge
Irving, TX 7XXXX
Phone: (972) 507-4981
Fax:
E-mail: brian.roberts@verizon.com
Local intranet
390
392
394

Fig. 3m

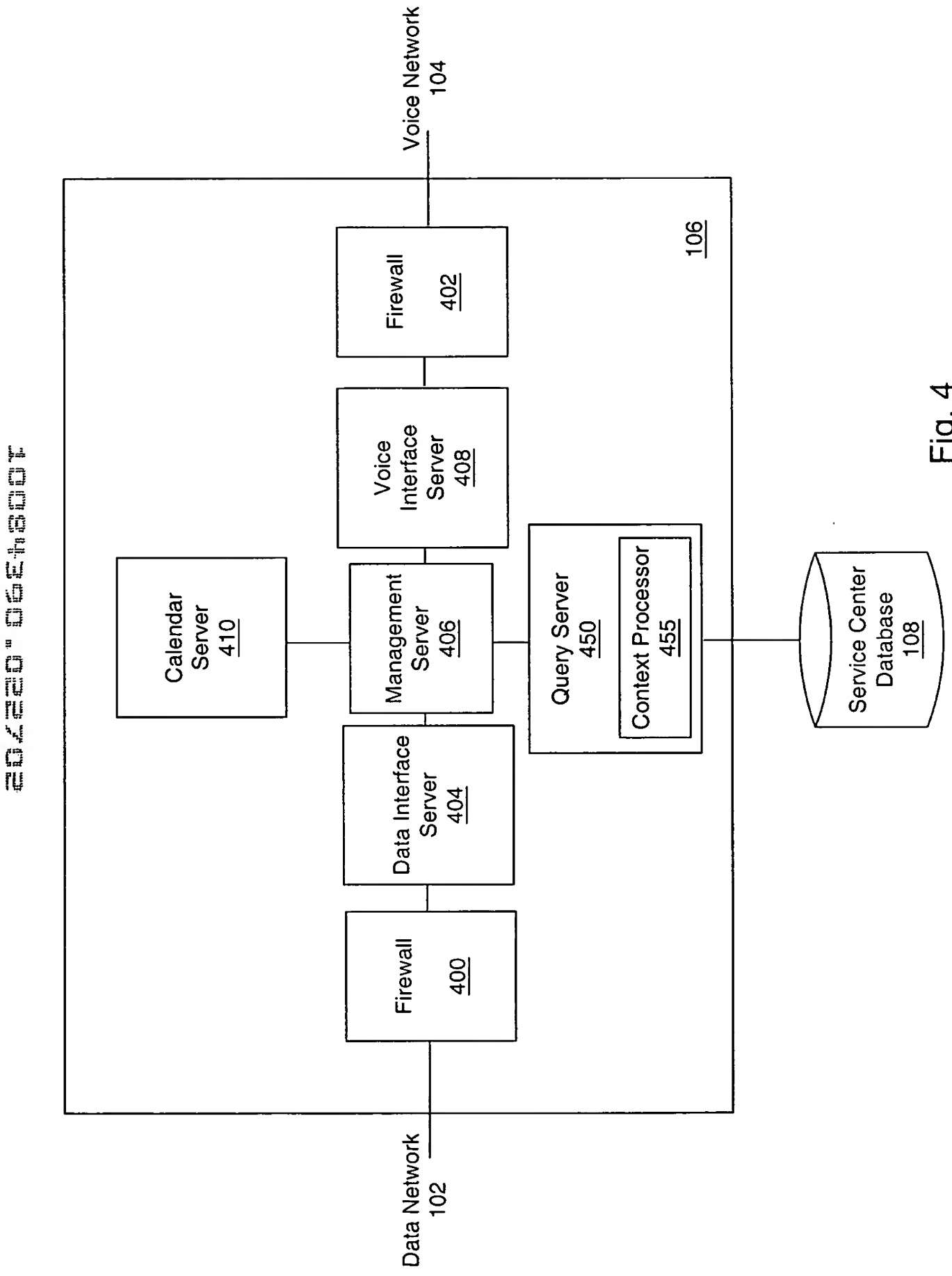
Voice Network
104
Firewall
402
106
Voice
Interface
Server
408
Calendar
Server
410
Management
Server
406
Query Server
450
Context Processor
455
Service Center
Database
108
Data Interface
Server
404
Firewall
400
Data Network
102

Fig. 4

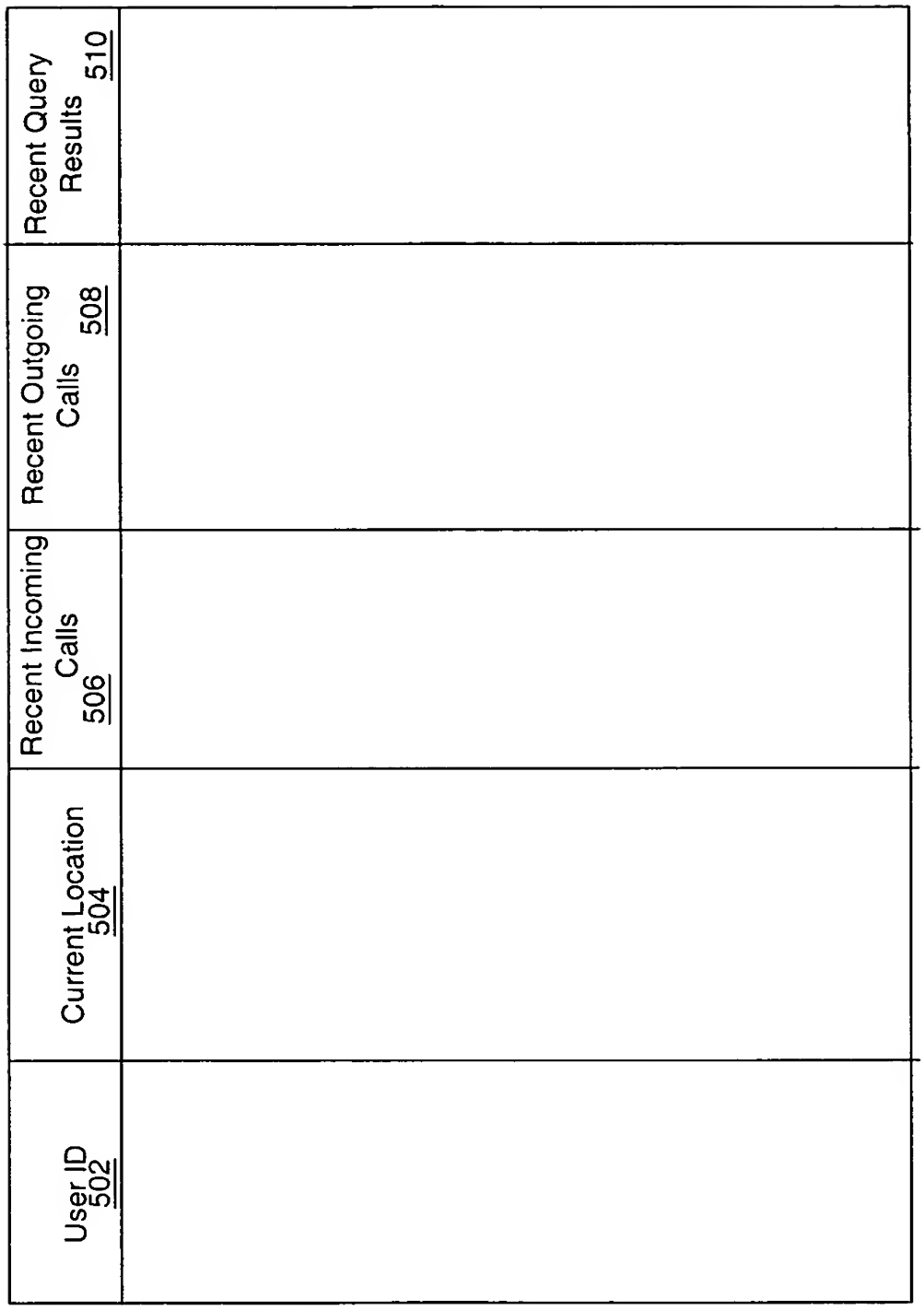
User ID 502
Current Location 504
Recent Incoming Calls 506
Recent Outgoing Calls 508
Recent Query Results 510

Fig. 5

500

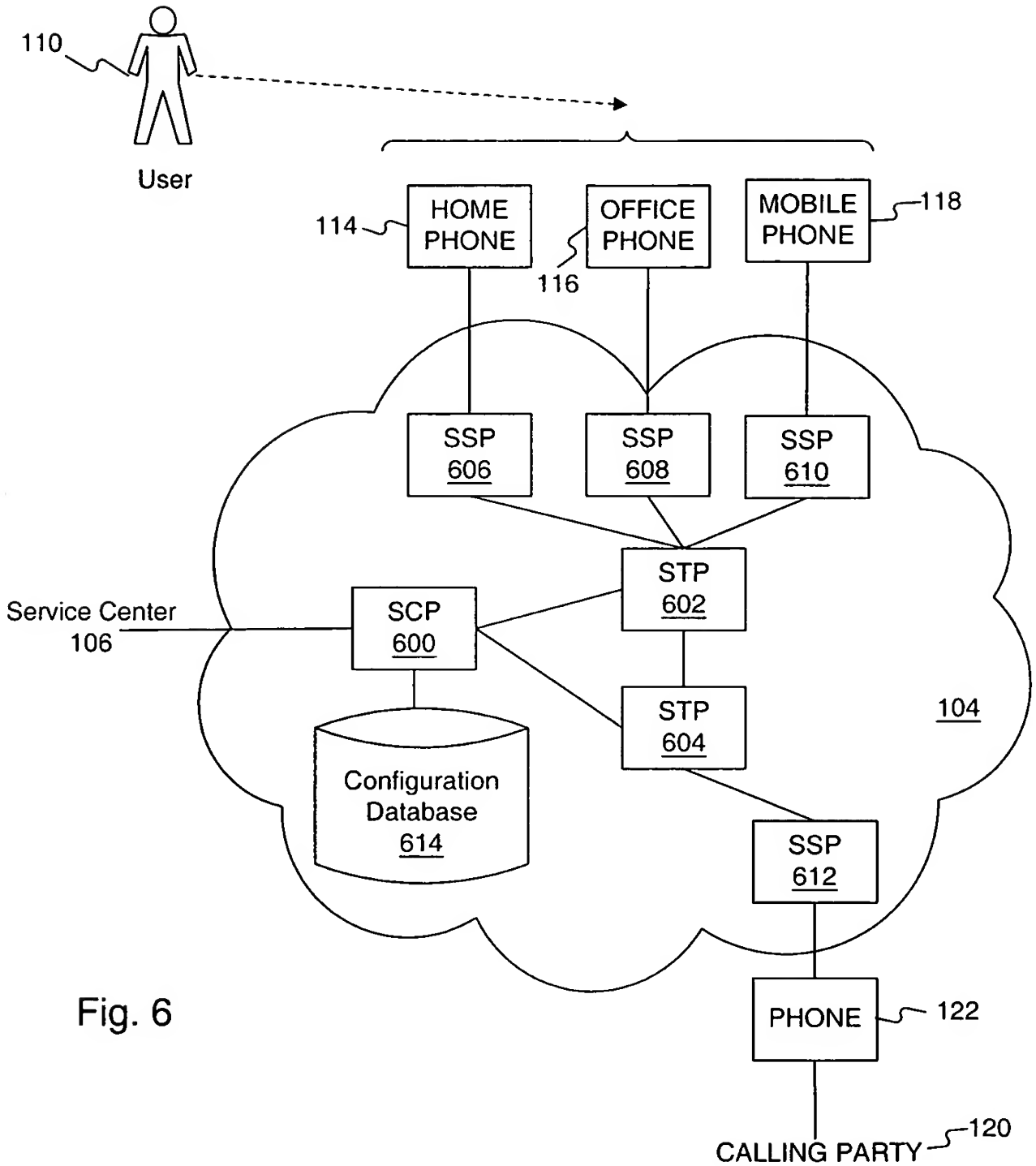
110
User
114
HOME PHONE
OFFICE PHONE
116
MOBILE PHONE
118
SSP 606
SSP 608
SSP 610
STP 602
Service Center 106
SCP 600
STP 604
104
Configuration Database 614
SSP 612
PHONE
122
CALLING PARTY
120

Fig. 6

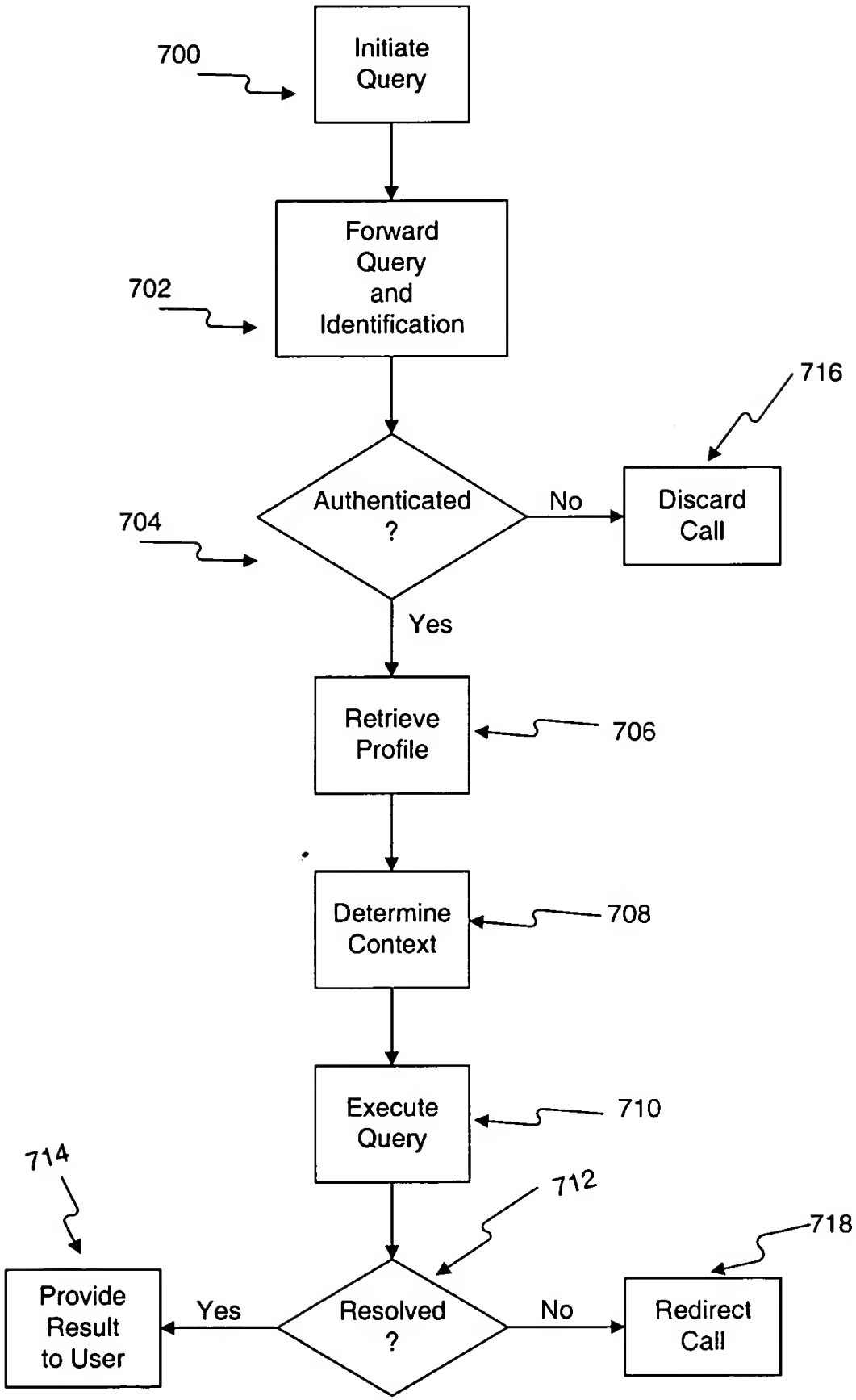
700
Initiate Query
Forward Query and Identification
702
716
Authenticated ?
704
No
Discard Call
Yes
Retrieve Profile
706
Determine Context
708
Execute Query
710
714
712
718
Provide Result to User
Yes
Resolved ?
No
Redirect Call

Fig. 7